PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference P3S2004435	FOR FURTHER ACTION	See item 4 below			
International application No. PCT/JP2005/000128	International filing date (day/month/year) 07 January 2005 (07.01.2005)	Priority date (day/month/year) 09 January 2004 (09.01.2004)			
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237					
Applicant LECIP CORPORATION					

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 <i>bis</i> .1(a).					
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.					
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.					
3.	This report contains indications relating to the following items:					
	Box No. I	Basis of the report				
	Box No. II	Priority				
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
	Box No. IV	Lack of unity of invention				
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the international application				
	Box No. VIII	Certain observations on the international application				
4.		ommunicate this report to designated Offices in accordance with Rules 44 <i>bis</i> .3(c) and 93 <i>bis</i> .1 but makes an express request under Article 23(2), before the expiration of 30 months from the priority				
		Date of issuance of this report 22 August 2006 (22.08.2006)				

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PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION P3S2004435 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2005/000128 07.01.2005 09.01.2004 International Patent Classification (IPC) or both national classification and IPC Applicant LECIP CORPORATION This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Authorized officer Facsimile No. Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/000128

Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language
	_	, which is the language of a translation furnished for the purposes of international search (under
		Rule 12.3 and 23.1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addi	ional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/000128

Box			lle 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; poorting such statement	
1.	Statement			
	Novelty (N)	Claims	3, 5-10	YES
		Claims	1, 2, 4, 11, 12	NO
	Inventive step (IS)	Claims		YES
		Claims	1-12	NO
	Industrial applicability (IA)	Claims	1-12	YES
		Claims		NO

2. Citations and explanations:

Document 1: JP 8-31585 A (Ushio Electric Inc), 02 February 1996, full text, all drawings Document 2: JP 2002-151288 A (Toshiba Lighting & Technology Corporation), 24 May 2002, full text, all drawings

Document 3: JP 2002-231478 A (Harison Toshiba Lighting Corporation), 16 August 2002, full text, all drawings

(Claims 1, 2, 4, 11, and 12)

The inventions of claims 1, 2, 4, 11, and 12 do not appear to possess novelty over document 1 cited in the ISR.

Document 1 describes, particularly noting the description in Fig. 1, providing inductance elements between a step-up transformer and a dielectric barrier discharge lamp, and also describes, particularly noting the description in Fig. 2, providing inductance elements in series with a primary coil of a step-up transformer.

(Claim 3)

The invention of claim 3 does not appear to involve an inventive step over document 1 and document 2 cited in the ISR.

Document 2 describes, particularly noting the description in paragraph 0019, using a leakage transformer as a reactor member.

Accordingly, the invention of claim 3 could easily be conceived of by a person skilled in the art by applying the invention described in document 2 as the reactor member of the invention described in document 1.

(Claims 5 and 8)

The inventions of claims 5 and 8 do not appear to involve an inventive step over document 1 cited in the ISR.

The inductance value of the reactor member is matter that a person skilled in the art could appropriately design as needed in order to realize the desired light emission.

(Claims 6, 7, and 10)

The inventions of claims 6, 7, and 10 do not appear to involve an inventive step over document 1 and document 3 cited in the ISR.

Paragraph 0041 of document 3 describes lowering a drive frequency below a resonance frequency.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

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Supplemental Box		
In case the space in any of the preceding boxes is not sufficient. Continuation of: Box V		
Accordingly, the inventions of claims 6, 7, and 10 could easily be conceived of by applying the invention described in document 3 to the invention described in document 1.		
(Claim 9) The invention of claim 9 does not appear to involve an inventive step over document 1 cited in the ISR. Paragraph 0008 of document 1 describes a resonance frequency matching a drive frequency, and this examination does not find anything particular about making the drive frequency near the resonance frequency.		